Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start		Rating **	Α	Issue No.		4	
LM End		Issue Type +	Ма	Location *	CR		
Category	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item		s & Maintena	nce		0		0
item	Manuals				0		0
DWR ID	DWR_NA0	013_01_f _ 201	6_4				
		Comn	nent Cod	le			
		Inspecto	or Comm	nent			
Merced County has a copy of the Operation and Maintenance Manual in their Office.							

No Photos

Rating ** Issue No. LM Start Issue Type + LM End Location * CR Earthen Levee GPS Latitude/Longitude Category Start End **Emergency Supplies &** Equipment DWR ID

DWR_NA0013_01_f _ 2016_5 Comment Code

Inspector Comment

Merced Streams Group has emergency supplies and equipment on hand.

No Photos

Wednesday, May 31, 2017 16:54

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Page 1 of 5

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start		Rating **	Α	Issue No.		6	
LM End		Issue Type +	Ma	Location *		CR	
Category Earthen Levee			GPS La	atitud	le/Longitude		
Calegory		Start		End			
Item	Flood Preparedness & Training				0		0
Item					0		0
DWR ID	DWR_NA0	013_01_f _ 201	6_6				
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
Merced St	reams Gro	up are Traine	d and pr	epaired for	Floc	od Fight.	

No Photos

LM Start	0.01	Rating **	М	Issue No.		7
LM End	0.62	Issue Type +	Ma	Location *		CR
Category Earthen Levee				GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetation			37.314745°		37.323558°
пеш				-120.396427 °		-120.396610 °
DWR ID	DWR_NA0	013_01_s _ 201	7_7			
		Comn	nent Cod	de		
V9 : Keep	the crown	roadway free	of veget	ation.		
Inspector Comment						
Crown roadway should be free of vegetation.						



Looking back upstream at the weed growth on the crown roadway.

NA0013

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.		2		
LM End	1.61	Issue Type +	Ma	Location *	LS			
Catagony	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Vegetatio	n		37.3147	45 °	37.337110°		
пеш				-120.3964	27 °	-120.396522 °		
DWR ID DWR_NA0013_01_s _ 2017_2								
	Commont Code							

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements

Inspector Comment

Spray or mow the unsatisfactory tall weed from the landside slope and shoulder.



Standing on the landside at levee mile 0.01 looking back upstream at the unsatisfactory weed growth.

LM Start	0.01	Rating **	U	Issue No.		8
LM End	1.61	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Vegetatio	n		37.3147	45 °	37.337110°
item					27 °	-120.396522 °
DWR ID DWR_NA0013_01_s _ 2017_8						
		_				

Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Spray or mow the tall weeds from the waterside levee slope.

Photo 1 of 1: SP_2017_NA0013_331_8_20170502_00004.jpg



Standing on the waterside slope looking upstream at the unsatisfctory tall weed growth.

N: Not Inspected/Rated C : Corrected

Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.28	Rating **	М	Issue No.		10	
LM End	1.61	Issue Type +	Ma	Location *		CR	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Calegory				Start		
Item	Crown Surface / Depressions /			37.3186	82 °	37.337110	0
пеш	Rutting			-120.396615 °		-120.396522	0
DWR ID	DWR_NA0	013_01_s _ 201	7_10				
		Comn	nent Coc	le			
	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.						
	Inspector Comment						

Regrade and add gravel to the section listed for proper drainage.

No Photos

LM Start	0.71	Rating **	М	Issue No.		11
LM End	1.05	Issue Type +	Ma	Location *		CR
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		37.3249	47°	37.329782°
пеш				-120.3966	50°	-120.396458 °

DWR ID DWR_NA0013_01_s _ 2017_11

Comment Code

V9: Keep the crown roadway free of vegetation.

Inspector Comment

The crown roadway shall be free of vegetation.

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Black Rascal Diversion	Right	1.61	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.05	Rating **	U	Issue No.		13
LM End	1.61	Issue Type +	Ma	Location *		CR
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		37.3297	'82 °	37.337110°
пеш				-120.3964	58°	-120.396522 °
DWR ID DWR_NA0013_01_s _ 2017_13						
		Comn	nent Cod	le		
V9 : Keep	the crown	roadway free	of veget	ation.		
		Inspecto	or Comm	nent		
Remove the unwanted debre from the crown roadway.						

Photo 1 of 1 : SP_2017_NA0013_331_13_20170502_00010.jpg

Looking back upstream from levee mile 1.05-1.61 unwanted weeds present on the crown roadway.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	11		
LM End	0.93	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	Vegetation			43 °	37.327915°	
пеш				-120.3873	33 °	-120.396105°	
DWR ID	DWR_NA0	013_02_s _ 201	7_11				
		Comn	nent Cod	le			
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slop	oes a	and	
easements.							
Inspector Comment							
Spray mov	Spray mow the unwanted weeds from the landside levee section.						



Looking downstream from levee mile 0.00 unwanted tall weeds on the landside slope and shoulder.

LM Start	0.00	Rating **	U	Issue No.		12
LM End	1.84	Issue Type +	Ма	Location *	ocation *	
Earthen Levee				GPS Latitude/Longitude		
Category			Start		End	
Item	Vegetatio	n		37.3370	43 °	37.314609°
item				-120.3873	33 °	-120.395807 °
DWR ID DWR_NA0013_02_s _ 2017_12						
		_				

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Spray and mow the wild vegetation on the waterside levee slope and shoulder.

Photo 1 of 1 : SP_2017_NA0013_332_12_20170510_00034.jpg



Looking upstream from the waterside levee slope Black Rascal Diversion Canal, tall unwanted weeds present along the levee slope and shoulder.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

+ Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.29	Rating **	A/W	Issue No.		26
LM End	0.29	Issue Type +	Ma Location *			WS
Category				GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	37.3360	06°	37.336006°
пеш				-120.3920 ⁻	11 °	-120.392011 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:50156 DS ID:23053 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel -UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.29)].

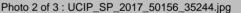
FS Date: 8/23/2016

LM Start	0.29	Rating **	A/W	Issue No.	26 (cont)
LM End	0.29	Issue Type +	Ma	Location *	WS

Photo 1 of 3: UCIP_SP_2017_50156_35245.jpg



WS view: cobble spillway and channel on waterside.





WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not closed. Vegetation needs to be cleared.

Wednesday, May 31, 2017 16:54

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.29	Rating **	A/W	Issue No.	26 (cont)		
LM End	0.29	Issue Type +	Ма	Location *	WS		
Supplemental				GPS Latitude/Longitude			
Calegory					End		
Item	DWR UCI	P LMA Respo	onsibility	37.33600)6 °	37.336006°	
пеш				-120.39201	1 °	-120.392011 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:50156 DS ID:23053 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 08/23/2016: LS inlet is clear. WS gate has been cleared of vegetation and functions properly. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel -UCIP)09/17/2013:- needs vegetation cleaning on both sides.- flap gate was not closed during field survey.- inlet needs cleaning. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.29)].

FS Date: 8/23/2016



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

LM Start	0.54	Rating **	М	Issue No.	27	
LM End	0.54	Issue Type +	Ма	Location *	WS	
Supplemental				GPS Latitude/Longitude		
Calegory	Start E				End	
Item	DWR UC	P LMA Respo	nsibility	37.33318	80°	37.333180°
пеш				-120.39406	9°	-120.394069°
DWR ID						
Comment Code						

Inspector Comment

FS_ID:20946 DS_ID:23054 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013

Photo 1 of 3: UCIP_SP_2017_20946_35266.jpg



WS view: cobble spillway and channel on waterside.

CR: Crown

Rating A : Acceptable : Minimally Acceptable

U: Unacceptable

N: Not Inspected/Rated C: Corrected

Issue Type Ma: Maintenance Deficiancy

Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.54	Rating **	М	Issue No.		27 (cont)	
LM End	0.54	Issue Type +	Ma	Location *		WS	
Supplemental				GPS Latitude/Longitude			
Calegory					End		
Item	DWR UCI	IP LMA Respo	onsibility	37.3331	80°	37.333180°	
пеш				-120.3940	69°	-120.394069 °	
DWR ID	OWR ID						
Comment Code							

Inspector Comment

FS_ID:20946 DS_ID:23054 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs vegetation cleaning on both sides.- flap gate was not properly closed during field survey.- inlet needs cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013

LM Start	0.54	Rating **	М	Issue No.	27 (cont)
LM End	0.54	Issue Type +	Ma	Location *	WS



WS view: U typed concrete headwall, CM pipe, and flap gate. Flap gate was not properly closed.

Photo 3 of 3: UCIP_SP_2017_20946_35264.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.62	Rating **	М	Issue No.		13	
LM End	0.72	Issue Type +	Ма	Location *		CR	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.3319	90°	37.330732 °	
пеш				-120.3941	08 °	-120.394970 °	
DWR ID	DWR ID DWR_NA0013_02_s _ 2017_13						
		Comn	nent Cod	le			
V9 : Keep	the crown	roadway free	of veget	ation.			
			_				
		Inspecto	or Comm	ent			
Keep the crown roadway free of vegetgation.							

No Photos

LM Start	0.65	Rating **	М	Issue No.	14		
LM End	0.92	Issue Type +	Ma	Location *	CR		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Crown Su	ssions /	37.3315	92 °	37.328082 °		
iteiii	Rutting			-120.3943	17°	-120.396098°	
DWR ID	DWR_NA0	013_02_s _ 201	7_14				
Comment Code							
C2 : Repair depressions or ruts in the crown or slope.							

No Photos

Inspector Comment

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.74	Rating **	М	Issue No.	28		
LM End	0.74	Issue Type +	Ma	Location *	CR		
Category	ental	GPS La	atitud	le/Longitude			
Calegory			Start		End		
Item	DWR UC	IP LMA Respo	onsibility	37.3305	25 °	37.330525 °	
пеш				-120.3951	32 °	-120.395132 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:20992 DS ID:23055 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it

needs cleaning.- half of intet pipe burried.

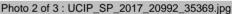
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

LM Start	0.74	Rating **	М	Issue No.	28 (cont)
LM End	0.74	Issue Type +	Ma	Location *	CR



WS view: concrete headwall and CM pipe burried under debris and mud.





WS view: debris and mud deposited from the channel cleaning. It needs to be cleared from spillway and outlet structure.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.74	Rating **	М	Issue No.	28 (cont)	
LM End	0.74	Issue Type +	Ма	Location *	CR	
Category	ental	GPS Latitude/Longitude				
Calegory						End
Item	DWR UCI	P LMA Respo	onsibility	37.33052	25°	37.330525°
пеш			-120.39513	32 °	-120.395132 °	
DWR ID						
Comment Code						

Inspector Comment

FS_ID:20992 DS ID:23055 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - pipe filled with debris, it

needs cleaning.- half of intet pipe burried.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013



LS view: concrete headwall and CM pipe. Half of intet pipe burried.

LM Start	0.90	Rating **	A/W	Issue No.	29	
LM End	0.90	Issue Type +	Ма	Location *	CR	
Category	ental	GPS Latitude/Longitude				
Calegory	Start End					End
Item	DWR UC	IP LMA Respo	onsibility	37.3282	83°	37.328283 °
item				-120.3960	74 °	-120.396074 °
DWR ID						
Comment Code						

Inspector Comment

FS_ID:20965 DS_ID:23056 EP_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: - working during field inspection.- vegetation on

drainage ditch/channel

FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

Photo 1 of 3: UCIP_SP_2017_20965_35292.jpg



WS view: two 60" CMPs, flap gates, and headwall on channel bank.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.90	Rating **	A/W	Issue No.	29 (cont)	
LM End	0.90	Issue Type +	Ма	Location *	CR	
Category	ental	GPS Latitude/Longitude				
Calegory						End
Item	DWR UCI	P LMA Respo	nsibility	37.32828	3°	37.328283°
item			-120.39607	'4 °	-120.396074°	
DWR ID						
Comment Code						

Inspector Comment

FS_ID:20965 DS ID:23056 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: - working during field inspection.- vegetation on

drainage ditch/channel

FIELD STRUCT DESC: 1 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

LM Start	0.90	Rating **	A/W	Issue No.	29 (cont)
LM End	0.90	Issue Type +	Ma	Location *	CR

Photo 2 of 3: UCIP_SP_2017_20965_35291.jpg

LS view: headwall on levee toe. Green vegetation in drainage channel.

Photo 3 of 3: UCIP_SP_2017_20965_35290.jpg



LS view: two CM pipes and U typed headwall on levee toe. Green vegetation in drainage channel.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Issue Type Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.91	Rating **	A/W	Issue No.		30
LM End	0.91	Issue Type +	Ma	Location *		CR
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UCI	IP LMA Respo	P LMA Responsibility		67°	37.328267 °
пеш				-120.3960	84 °	-120.396084°
DWR ID						

Comment Code

Inspector Comment

FS_ID:20983 DS_ID:23080 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: It was working during field inspection. Dense

vegetation in drainage ditch.

FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

LM Start	0.91	Rating **	A/W	Issue No.	30 (cont)
LM End	0.91	Issue Type +	Ma	Location *	CR

Photo 1 of 3: UCIP_SP_2017_20983_35302.jpg



WS view: two CMPs with flap gate, concrete spillway and channel on waterside.

Photo 2 of 3: UCIP_SP_2017_20983_35301.jpg



LS view: U typed concrete headwall, two CMPs in drainage ditch. Dense vegetation in drainage ditch.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.91	Rating **	A/W	Issue No.	30 (cont)		
LM End	0.91	Issue Type +	Ма	Location *	CR		
Category	Suppleme	ental		GPS Latitude/Longitude			
Calegory	Start					End	
Item	DWR UC	IP LMA Respo	nsibility	37.32826	67°	37.328267 °	
пеш				-120.39608	34 °	-120.396084°	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:20983 DS_ID:23080 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: It was working during field inspection. Dense

vegetation in drainage ditch.

FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall and flap gate on the waterward berm, 5 feet from the levee toe, concrete

headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013



LS view: concrete headwall in drainage ditch. Dense vegetation in drainage ditch.

LM Start	0.97	Rating **	М	Issue No.	15			
LM End	0.97	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee	GPS Lati	GPS Latitude/Longitude				
Calegory	/			Start		End		
Item	Erosion /	Bank Caving		37.32730	3°	37.327308	0	
пеш				-120.396078	3°	-120.396078	0	
DWR ID	DWR_NA0	013_02_s _ 201	7_15					
	Comment Code							

Comme

E1 : Note and monitor erosion site.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

NA0013

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.10	Rating **	M	Issue No.		16
LM End	1.10	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		37.3254	87°	37.325487 °
пеш				-120.3960	52 °	-120.396052 °
DWR ID	DWR_NA0	013_02_s _ 201	7_16			
		Comn	nent Cod	le		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.
		Inspecto	or Comm	ent		

No Photos

LM Start	1.30	Rating **	A/W	Issue No.		31
LM End	1.30	Issue Type +	Ма	Location *	LS	
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR UC	IP LMA Respo	P LMA Responsibility		99°	37.322499 °
пеш				-120.39604	15 °	-120.396045 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:20984 DS_ID:23057 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: - working during field inspection.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

Photo 1 of 3: UCIP_SP_2017_20984_35305.jpg



WS view: U type concrete headwall and channel on waterside.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.30	.30 Rating ** A/W I		Issue No.		31 (cont)	
LM End	1.30	Issue Type + Ma Lo		Location *		LS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UCI	P LMA Respo	nsibility	37.32249	9°	37.322499 °	
item					5 °	-120.396045 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:20984 DS_ID:23057 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: - working during field inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013

LM Start	1.30	Rating **	A/W	Issue No.	31 (cont)
LM End	1.30	Issue Type +	Ma	Location *	LS



WS view: U typed concrete headwall, CM pipe, and flap gate. It was working during field inspection.

Photo 3 of 3: UCIP_SP_2017_20984_35303.jpg



LS view: concrete headwall on levee toe and drainage ditch.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.62	Rating **	Issue No.		32	
LM End	1.62	Issue Type + Ma		Location *		LS
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory						End
Item	DWR UC	IP LMA Respo	nsibility	37.3180 ⁻	15 °	37.318015 °
пеш					38 °	-120.395738 °
DWR ID						

Inspector Comment

Comment Code

FS_ID:42993 DS_ID:23058 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs cleaning of debris on spillway on WS. Flapgate blocked by debris on WS. - needs cleaning inside CMP on

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

LM Start	1.62	Rating **	М	Issue No.	32 (cont)
LM End	1.62	Issue Type +	Ma	Location *	LS



WS view: overview of outlet area and channel. Debris and vegetations on spillway.

Photo 2 of 3: UCIP_SP_2017_42993_35309.jpg



WS view: U typed concrete headwall, CM pipe and flap gate. Vegetation and debris need to be cleared.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.62	Rating ** M		Issue No.		32 (cont)
LM End	1.62	Issue Type +	Ма	Location *		LS
Category	Supplemental			GPS Latitude/Longitude		
Calegory						End
Item	DWR UC	IP LMA Respo	onsibility	37.3180°	15°	37.318015 °
пеш					38 °	-120.395738 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:42993 DS ID:23058 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs cleaning of debris on spillway on WS. Flapgate blocked by debris on WS. - needs cleaning inside CMP on

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013



LS view: concrete headwall and CM pipe. Inlet needs cleaning. Part of intet pipe burried.

LM Start	1.62	Rating **	U	Issue No.		17	
LM End	1.85	Issue Type +	Ма	Location *		CR	
Category	Category Earthen Levee			GPS Latitude/Longitude			
Category	ıy			Start		End	
Item	Vegetatio	n		37.3178	82°	37.314609°	
пеш					18°	-120.395807 °	
DWR ID	DWR_NA0	013_02_s _ 201	7_17				

Comment Code

V9: Keep the crown roadway free of vegetation.

Inspector Comment

Mow the wild growth of vegetation from crown roadway. The crown roadway must be keep free of vegetation.

Photo 1 of 1: SP_2017_NA0013_332_17_20170510_00036.jpg



Looking downstream from levee mile 1.62 to 1.85 crown roadway completely overgrown with vegetation.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Black Rascal Diversion	Left	1.85	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.63	Rating **	U	Issue No.		18
LM End	1.85	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		37.3178	47°	37.314609°
пеш				-120.395722 °		-120.395807 °
DWR ID	DWR_NA0	013_02_s _ 201	7_18			
		Comn	nent Cod	le		
V1 : Contro	ol annual g	grass and wee	ds on th	e levee slo	pes a	and
easements	S.					
		Inspecto	or Comm	nent		
Control the annual grasses and weeds on the slope and toe.						



Looking downstream from levee mile 1.63 landside slope and shoulder covered with wild weeds. To levee mile 1.85.

LM Start	1.63	Rating **	М	Issue No.	9		
LM End	1.63	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	Salegory			Start		End	
Item	Encroach	ments		37.3177	58°	37.317758	0
пеш				-120.3957	50°	-120.395750	0
DWR ID DWR_NA0013_02_f _ 2016_9							
Comment Code							

TR : Tree or limb

Inspector Comment

Take out this walnut tree from the landside shoulder.



Unwanted nut tree on the landside shoulder levee mile 1.63.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	13	
LM End	1.26	Issue Type +	Ма	Location *	CR	
Category	evee	GPS Latitude/Longitude				
Calegory			Start		End	
Item	Vegetation				75 °	37.273008 °
пеш				-120.2886	40 °	-120.280312 °
DWR ID DWR_NA0013_03_s _ 2017_13						
Comment Code						

V9: Keep the crown roadway free of vegetation.

Inspector Comment

Unsatisfactory wild growth of weeds present on the crown roadway. The crown roadway should be free of vegetation.



Owens Creek looking upstream from levee mile 0.00, wild weeds has completely blocked the view of the levee section.

LM Start	0.00	Rating **	U	Issue No.		12	
LM End	1.40	Issue Type +	ype + Ma Location *			WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
Item	Vegetation			37.2577	75°	37.273553	0
пеш				-120.2886	40°	-120.278038	0
DWR ID DWR_NA0013_03_s _ 2017_12							

Comment Code

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Weeds are taller than 5 foot. Spray or mow to control growth.

Photo 1 of 1: SP_2017_NA0013_333_12_20170519_00025.jpg



Owens Creek levee mile 0.00 -1.40, unsatisfactory growth of weeds has completely taken over the levee section.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Issue Type

Page 1 of 13

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.19	Rating **	М	Issue No.		14
LM End	0.19	Issue Type +	Location *		WS	
Category	Supplemental			GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UCI	WR UCIP LMA Responsibility			55 °	37.260355 °
пеш				-120.2885	17°	-120.288517 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:41815 DS_ID:23060 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - more than a half of intet pipe burried on LS. needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

LM Start	0.19	Rating **	М	Issue No.	14 (cont)
LM End	0.19	Issue Type +	Ma	Location *	WS



WS view: U typed concrete headwall, CM pipe, and flap gate.

Photo 2 of 3: UCIP_SP_2017_41815_35532.jpg



WS view: Silt needs to be removed. Vegetations needs to be cleared.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.19	М	Issue No.		14 (cont)	
LM End	0.19	Issue Type +	Ма	Location *		WS
Category	Supplemental					le/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	37.2603	55°	37.260355 °
пеш				-120.2885	17°	-120.288517 °
DWR ID						
Comment Code						

Inspector Comment

FS_ID:41815 DS_ID:23060 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - more than a half of intet pipe burried on LS. needs vegetation cleaning on both sides.- inlet needs silt removed and cleaning

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013

Photo 3 of 3: UCIP_SP_2017_41815_35531.jpg



LS view: concrete headwall and CM pipe. Inlet needs cleaning and silt removed.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.39	Rating **	A/W	Issue No.		15
LM End	0.39	Issue Type +	Issue Type + Ma I			WS
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UCI	R UCIP LMA Responsibility			32 °	37.263182°
пеш				-120.28823	39°	-120.288239°
DWR ID						

Comment Code

Inspector Comment

FS_ID:50144 DS_ID:23061 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013:Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to abandoned properly. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.4)].

FS Date: 9/1/2016

LM Start	0.39	Rating **	A/W	Issue No.	15 (cont)
LM End	0.39	Issue Type +	Ma	Location *	WS



WS view: U typed concrete headwall, cobble spillway, and channel on waterside.

Photo 2 of 3: UCIP_SP_2017_50144_35421.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Damaged flap gate.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.39	Rating **	A/W	Issue No.		15 (cont)
LM End	0.39	Issue Type +	Ма	Location *		WS
Category	Supplemental			GPS Lat	itud	le/Longitude
Calegory				Start		End
Item	DWR UC	IP LMA Respo	nsibility	37.26318	2 °	37.263182 °
пеш				-120.28823	9°	-120.288239 °
DWR ID						

Inspector Comment

Comment Code

FS_ID:50144 DS_ID:23061 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/01/2016: Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)09/01/2016: Not abandoned. LS and WS cleared. Gate swings free. Photos uploaded. (M. Walejko - NA0013)08/23/2016: Same as last inspection. (K. Fazel - UCIP)09/17/2013:Appears to be abandoned. Flapgate blocked by debris.- debris blocked inlet pipe on LS.- Needs to be cleared on both sides or it needs to abandoned properly. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 0.4)].
FS Date: 9/1/2016

Photo 3 of 3 : UCIP_SP_2017_50144_35420.jpg



LS view: Debris dumped on onlet structure. Needs to be cleared or abandoned properly.

Rating

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Oh : Design & System Obsole

Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.58	Rating **	A/W	Issue No.	16		
LM End	0.58	Issue Type +	Ма	Location *	WS		
Category Supplemental				GPS Latitude/Longitude			
				Start		End	
Itom	DWR UCI	P LMA Respo	nsibility	37.2658	94°	37.265894	
item	Item			-120.288295 °		-120.288295 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:50149 DS_ID:23062 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/29/2016: LS and WS ends have been cleared by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- needs clearing and cleaning on inlet and outlet. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

LM Start	0.58	Rating **	A/W	Issue No.	16 (cont)
LM End	0.58	Issue Type +	Ma	Location *	WS



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope.

Photo 2 of 3: UCIP_SP_2017_50149_35534.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.58	Rating **	A/W	Issue No.		16 (cont)		
LM End	0.58	Issue Type +	Ma	Location *		WS		
Category	Supplemental			GPS Latitude/Longitude				
Calegory				Start		End		
Itom	DWR UCIP LMA Responsibility			37.26589	94°	37.265894	0	
Item			-120.28829	95 °	-120.288295	0		
DWR ID								

Comment Code

Inspector Comment

FS_ID:50149 DS ID:23062 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/29/2016: LS and WS ends have been cleared by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- needs clearing and cleaning on inlet and outlet. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

Photo 3 of 3: UCIP_SP_2017_50149_35537.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

Rating ** A/W Issue No. LM Start 0.79 17 Issue Type + Location * WS LM End 0.79 Ma Supplemental GPS Latitude/Longitude Category DWR UCIP LMA Responsibility 37.268420° 37.268420 Item -120.286231 ° -120.286231 DWR ID

Comment Code

Inspector Comment

FS_ID:50151 DS ID:23063 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)09/2013: Needs vegetation clearing on WS. (P.

Amatya - UCIP

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

Photo 1 of 3: UCIP SP 2017 50151 35539.jpg



WS view: overview of spillway/outlet area on waterside.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.79	Rating **	A/W	Issue No.		17 (cont)		
LM End	0.79	Issue Type +	Ma	Location *		WS		
Category	Supplemental			GPS Latitude/Longitude				
Calegory				Start		End		
Item	DWR UCIP LMA Responsibility			37.26842	20°	37.268420 °		
пеш				-120.2862	31 °	-120.286231 °		
DWR ID								

Comment Code

Inspector Comment

FS_ID:50151 DS ID:23063 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/2016: LS and WS ends have been cleared by NA0013 and crossing has been downgraded to No Action Needed. (K. Fazel - UCIP)09/2013: Needs vegetation clearing on WS. (P.

Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.5 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/7/2016

LM Start	0.79	Rating **	A/W	Issue No.	17 (cont)
LM End	0.79	Issue Type +	Ma	Location *	WS

Photo 2 of 3: UCIP_SP_2017_50151_35538.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3: UCIP SP 2017 50151 35541.jpg



LS view: concrete headwall and CM pipe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

1.02	Rating **	М	Issue No.		18		
1.02	Issue Type +	Ма	Location *	WS			
Category Supplemental				GPS Latitude/Longitude			
					End		
DWR UCIP LMA Responsibility			37.27111	1 °	37.271111 °		
			-120.28378	6°	-120.283786 °		
	1.02 Suppleme	1.02 Issue Type + Supplemental	1.02 Issue Type + Ma Supplemental	1.02 Issue Type + Ma Location * Supplemental GPS Lat Start DWR UCIP LMA Responsibility 37.27111	1.02 Issue Type + Ma Location * Supplemental GPS Latitud Start		

Comment Code

Inspector Comment

FS_ID:50152 DS_ID:23064 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS outlet has been cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS. (K. Fazel -

UCIP)09/2013:- vegetations need to be removed from spillway and outlet at flapgate (blocked). It needs clearing.- more than half of intet pipe was burried in inlet. It needs cleaning & clearing. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

LM Start	1.02	Rating **	М	Issue No.	18 (cont)
LM End	1.02	Issue Type +	Ma	Location *	WS

Photo 1 of 3: UCIP_SP_2017_50152_35544.jpg



WS view: cobble spillway and channel on waterside.

Photo 2 of 3: UCIP_SP_2017_50152_35543.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.02	Rating **	М	Issue No.		18 (cont)	
LM End	1.02	Issue Type +	Ма	Location *		WS	
Category	Suppleme	GPS Latitude/Longitude					
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	nsibility	37.27111	1°	37.271111°	
пеш				-120.28378	6°	-120.283786 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:50152 DS ID:23064 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS outlet has been cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS. (K. Fazel -

UCIP)09/2013:- vegetations need to be removed from spillway and outlet at flapgate (blocked). It needs clearing.- more than half of intet pipe was burried in inlet. It needs cleaning & clearing. (P. Amatya -UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/7/2016



LS view: concrete headwall and CM pipe. Inlet needs clearing & cleaning.

LM Start	1.15	Rating **	М	Issue No.		19	
LM End	1.15	Issue Type +	Ma	Location *		WS	
Category	Suppleme	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	37.27219	93 °	37.272193°	
пеш			-120.28180)5 °	-120.281805 °		
DWR ID							

Inspector Comment

Comment Code

FS_ID:21063 DS_ID:23065 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

Photo 1 of 3: UCIP_SP_2017_21063_35502.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate burried under mud/debris.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.15	Rating **	М	Issue No.		19 (cont)		
LM End	1.15	Issue Type +	Ma	Location *		WS		
Category	Suppleme	Supplemental			GPS Latitude/Longitude			
Calegory						End		
Item	DWR UCI	IP LMA Respo	onsibility	37.27219	93 °	37.272193 °		
пеш			-120.28180	05 °	-120.281805 °			
DWR ID								

Comment Code

Inspector Comment

FS_ID:21063 DS ID:23065 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - mud and debris from recent channel cleaning needs to be removed from spillway and outlet - inlet pipe needs clearing and cleaning on landside.

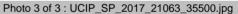
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013

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Photo 2 of 3: UCIP_SP_2017_21063_35501.jpg

LS view: concrete headwall and CM pipe. Inlet needs clearing.

1.15 Rating ** Μ Issue No. 19 (cont) LM Start Issue Type + Location ' LM End 1.15 Ma WS





LS view: closer view of CM pipe. Inlet needs cleaning & clearing.

Rating A : Acceptable : Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Issue Type Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.23	Rating **	M	Issue No.		7		
LM End	1.25	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Itom	Item Animal Control			37.2726	28°	37.272927 °		
пеш				-120.280398 °		-120.280302 °		
DWR ID	DWR_NA0	013_03_f _ 201	6_7					
		Comn	nent Cod	le				
A1 : Exterr	minate rod	ents and back	fill and c	compact or	grou	t burrows.		
Inspector Comment								
Control the rodents along the landside slope from levee mile 1.23 to 1.25.								

No Photos

LM Start	1.27	Rating **	М	Issue No.		20
LM End	1.27	Issue Type +	Ma	Location *		LS
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	37.27308	32°	37.273082 °
пеш				-120.28028	88°	-120.280288 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:21064 DS_ID:23066 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside of the pipe.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962 FS Date: 9/17/2013

Photo 1 of 3: UCIP_SP_2017_21064_35506.jpg



WS view: cobble spillway and channel on waterside. Dense vegetation on levee slope and spillway.

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Owens Creek Diversion	Right	1.43	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.27	Rating **	М	Issue No.		20 (cont)	
LM End	1.27	Issue Type +	Ма	Location *		LS	
Category	Suppleme	GPS La	titud	le/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	37.2730	82 °	37.273082°	
item				-120.2802	88 °	-120.280288 °	
DWR ID	DWR ID						
Comment Code							

Inspector Comment

FS_ID:21064 DS ID:23066 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs clearing and cleaning of vegetations on both ends of the pipe.- needs clearing and cleaning of silt deposited inside

of the pipe.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962

FS Date: 9/17/2013

LM Start	1.27	Rating **	М	Issue No.	20 (cont)
LM End	1.27	Issue Type +	Ma	Location *	LS



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3: UCIP_SP_2017_21064_35504.jpg



LS view: concrete headwall and CM pipe. Inlet needs clearing.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.		11
LM End	1.41	Issue Type +	Ма	Location *		LS
Category	Catagoni Earthen Levee			GPS Latitude/Longitud		
Calegory				Start		End
Item	Vegetation		37.27330	08 °	37.257383 °	
пеш			-120.2779	55 °	-120.288233 °	
DWR ID DWR_NA0013_04_s _ 2017_11						

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Remove the wild growth other than native grasses from the levee slope and berm.



Owens Creek Unit 4 looking upstream the unsatisfactory wild weed growth has completely block the view of the levee section.

LM Start	0.03	Rating **	U	Issue No.		12	
LM End	1.41	Issue Type +	Ма	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	Salegory		Start		End		
Item	Vegetation			37.2733	02°	37.257383	0
iteiii			-120.2781	58°	-120.288233	0	
DWR ID DWR_NA0013_04_s _ 2017_12							

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Remove the wild growth other than native grasses from the levee section.

Photo 1 of 1 : SP_2017_NA0013_334_12_20170519_00029.jpg



Owens Creek Unit 4 looking at the waterside levee sloped downstream.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.04	Rating **	U	Issue No.		13
LM End	1.41	Issue Type +	Ма	Location *		CR
Earthen Levee			GPS Latitude/Longitude			
Category				Start		End
Item	Vegetation			37.2732	92°	37.257383°
пеш				-120.2783	37°	-120.288233 °
DWR ID DWR_NA0013_04_s _ 2017_13						
		Comn	nent Cod	le		
V1 : Control annual grass and weeds on the levee slopes and easements.						
		Inspecto	or Comm	nent		
The crown roadway must be free of vegetation.						

Photo 1 of 2: SP_2017_NA0013_334_13_20170519_00030.jpg	j
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Owens Creek Unit 4 levee mile 0.04 looking downstream towards levee mile 1.41 the wild weeds has completely covered the levee crown roadway.

 LM Start
 0.04
 Rating **
 U
 Issue No.
 13 (cont)

 LM End
 1.41
 Issue Type +
 Ma
 Location *
 CR

Photo 2 of 2: SP_2017_NA0013_334_13_20170519_00031.jpg



Owens Creek Unit 4 looking upstream from levee mile 1.41, the weeds are taller than 8.0 foot.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.11	Rating **	М	Issue No.		14
LM End	0.11	Issue Type +	Ma	Location *	CR	
Category			GPS Latitude/Longitude			
Calegory			Start		End	
Item	DWR UCIP LMA Responsibility			37.27329	95 °	37.273295°
пеш					73 °	-120.279673 °
DWR ID						
Comment Code						

Inspector Comment

FS_ID:42991 DS ID:23068 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and

cleaning.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

LM Start	0.11	Rating **	М	Issue No.	14 (cont)
LM End	0.11	Issue Type +	Ma	Location *	CR



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3: UCIP_SP_2017_42991_35750.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation and silt need to be cleared.

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.11	Rating **	М	Issue No.		14 (cont)
LM End	0.11	Issue Type +	Ма	Location *		CR
Supplemental			GPS Latitude/Longitude			
Calegory	Calegory			Start		End
Item	DWR UC	IP LMA Respo	nsibility	37.27329	95 °	37.273295°
пеш					'3 °	-120.279673 °
DWR ID						
Comment Code						

Inspector Comment

FS_ID:42991 DS ID:23068 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs vegetation clearing on both sides. Flapgate blocked by debris on WS. - inlet and outlet need silt clearing and

cleaning.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

LM Start	0.18	Rating **	М	Issue No.		15
LM End	0.18	Issue Type +	Ma	Location *		CR
Category				GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	DWR UC	IP LMA Respo	onsibility	37.27243	37°	37.272437°
item	item			-120.28026	60°	-120.280260 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:50146 DS_ID:23069 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel -

UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya -UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.18	Rating **	М	Issue No.		15 (cont)		
LM End	0.18	Issue Type +	Ма	Location *		CR		
Category			GPS Latitude/Longitude					
Calegory	Category			Start		End		
Item	DWR UC	IP LMA Respo	onsibility	37.27243	37°	37.272437 °		
пеш						-120.280260 °		
DWR ID	WR ID							
Comment Code								

Inspector Comment

FS_ID:50146 DS_ID:23069 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS and LS ends have been cleared. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel -

UCIP)09/2013:- needs vegetation clearing on both sides. Flapgate blocked on WS. - inlet pipe needs clearing on landside. (P. Amatya -

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

LM Start	0.18	Rating **	М	Issue No.	15 (cont)
LM End	0.18	Issue Type +	Ma	Location *	CR



LS view: concrete headwall and CM pipe. Inlet needs clearing.

Photo 3 of 3: UCIP_SP_2017_50146_35746.jpg



LS view: inside view of CM pipe. Inlet pipe needs clearing.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.19	Rating **	М	Issue No.		10		
LM End	0.69	Issue Type +	Ма	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Animal Control			37.2723	73°	37.267383 °		
item			-120.2803	92°	-120.286598 °			
DWR ID	DWR ID DWR_NA0013_04_f _ 2016_10							
		Comn	nent Cod	le				
A1 : Extern	minate rod	ents and back	fill and o	compact or	grou	t burrows.		
Inspector Comment								
No rodent or burrows found in this area listed.								

No Photos

LM Start	0.32	Rating **	М	Issue No.		16
LM End	0.32	Issue Type +	Ма	Location *		LS
Category			Supplemental GPS Latitude/Lo			le/Longitude
Calegory	Calegory			Start		End
Item	DWR UCIP LMA Responsibility			37.27149	95 °	37.271495°
пеш				-120.2824	52 °	-120.282452 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:50154 DS_ID:23070 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

Photo 1 of 3: UCIP_SP_2017_50154_35608.jpg



WS view: Dense vegetation on levee slope and spillway.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.32	Rating **	М	Issue No.		16 (cont)		
LM End	0.32	Issue Type +	Ma	Location *		LS		
Category Supplemental			GPS La	atitud	le/Longitude			
			Start		End			
Item	DWR UC	IP LMA Respo	onsibility	37.2714	95 °	37.271495°		
пеш				-120.2824	52 °	-120.282452 °		
DWR ID	NR ID							
Comment Code								

Inspector Comment

FS_ID:50154 DS_ID:23070 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS and LS ends have been cleared by Mike Walejko of NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on waterside.- inlet on landside needs clearing. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

LM Start	0.32	Rating **	М	Issue No.	16 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

Photo 3 of 3: UCIP_SP_2017_50154_35606.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.45	Rating **	A/W	Issue No.		17
LM End	0.45	Issue Type +	Ма	Location *		LS
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory						End
Item	DWR UC	IP LMA Respo	onsibility	37.2703	18°	37.270318°
пеш				-120.28422	22 °	-120.284222°
DWR ID						

Comment Code

Inspector Comment

FS_ID:50148 DS_ID:23071 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/7/2016

LM Start	0.45	Rating **	A/W	Issue No.	17 (cont)
LM End	0.45	Issue Type +	Ma	Location *	LS

Photo 1 of 3: UCIP_SP_2017_50148_35613.jpg



WS view: Dense vegetation on levee slope and spillway.

Photo 2 of 3: UCIP_SP_2017_50148_35612.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.45	Rating **	A/W	Issue No.		17 (cont)
LM End	0.45	Issue Type +	Ма	Location *		LS
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	37.2703	18°	37.270318°
пеш				-120.28422	22 °	-120.284222°
DWR ID						

Comment Code

Inspector Comment

FS_ID:50148 DS_ID:23071 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/29/2016: WS headwall, flap gate and spillway have been cleared of vegetation by Mike Walejko of NA0013. Crossing has been downgraded from Non-Urgent to No Action Needed. (K. Fazel - UCIP)09/2013:- vegetations clearing on spillway area. (P. Amatva - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/7/2016



LS view: concrete headwall and CM pipe.

LM Start	0.58	Rating **	М	Issue No.		18	
LM End	0.58	Issue Type +	Ма	Location *		LS	
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	37.2687	05 °	37.268705	0
пеш				-120.2855	46 °	-120.285546	0
DWR ID							

Comment Code

Inspector Comment

FS_ID:50155 DS_ID:23072 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/7/2016

Photo 1 of 3: UCIP_SP_2017_50155_35642.jpg



WS view: Dense vegetation on levee slope and spillway.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.58	Rating **	М	Issue No.		18 (cont)
LM End	0.58	Issue Type +	Ма	Location *		LS
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	IP LMA Respo	nsibility	37.26870)5 °	37.268705 °
пеш				-120.28554	6°	-120.285546 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:50155 DS ID:23072 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 09/29/2016: WS cleared by NA0013. Crossing will be downgraded from Non-Urgent to No Action Needed upon receipt of photo showing cleared LS inlet. (K. Fazel - UCIP)09/2013:- needs vegetation clearing on both levee sides. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/7/2016

LM Start	0.58	Rating **	М	Issue No.	18 (cont)
LM End	0.58	Issue Type +	Ma	Location *	LS



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared.

Photo 3 of 3: UCIP_SP_2017_50155_35640.jpg



WS view: CM pipe and flap gate. Vegetation needs to be cleared.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.81	Rating **	М	Issue No.		19
LM End	0.81	Issue Type +	Ма	Location *		LS
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	37.26594	18 °	37.265948 °
пеш				-120.28779	90°	-120.287790 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:21126 DS_ID:23073 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey. FIELD STRUCT DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962

FS Date: 9/17/2013

LM Start	0.81	Rating **	М	Issue No.	19 (cont)
LM End	0.81	Issue Type +	Ma	Location *	LS



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.

Photo 2 of 3: UCIP_SP_2017_21126_35651.jpg



WS view: U typed concrete headwall, CM pipe, and flap gate. Vegetation needs to be cleared on spillway.

N: Not Inspected/Rated C : Corrected

Issue Type Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	0.81	Rating **	М	Issue No.	19 (cont)			
LM End	0.81	Issue Type +	Ма	Location *	LS			
Category			GPS Latitude/Longitude					
Calegory				Start End				
Item	DWR UC	IP LMA Respo	nsibility	37.26594	18 °	37.265948°		
пеш				-120.28779	90°	-120.287790°		
DWR ID								
Comment Code								

Inspector Comment

FS_ID:21126 DS_ID:23073 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs vegetation clearing on waterside.- concrete spillway on waterside.- the drainage was working during field survey. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962

FS Date: 9/17/2013



LS view: concrete headwall and CM pipe. Drain pipe was working during field survey.

LM Start	1.01	Rating **	A/W	Issue No.		20
LM End	1.01	Issue Type +	Ма	Location *		LS
Category			GPS La	tituc	le/Longitude	
Calegory				Start		End
Item	DWR UC	P LMA Respo	onsibility	37.26313	9°	37.263139°
пеш				-120.28779	99°	-120.287799 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:21127 DS_ID:23074 EP_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: - concrete spillway on waterside.- drainage was working during field survey.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

Photo 1 of 3: UCIP_SP_2017_21127_35657.jpg



WS view: U typed concrete headwall and channel on waterside.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.01	Rating **	A/W	Issue No.	20 (cont)	
LM End	1.01	Issue Type +	Ма	Location *	LS	
Category Supplemental			GPS Latitude/Longitude			
Calegory			Start Er			
Item	DWR UC	IP LMA Respo	nsibility	37.26313	39°	37.263139°
пеш				-120.28779	99 °	-120.287799 °
DWR ID						·
Comment Code						

Inspector Comment

FS_ID:21127 DS_ID:23074 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: - concrete spillway on waterside.- drainage was

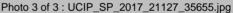
working during field survey.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013

LM Start	1.01	Rating **	A/W	Issue No.	20 (cont)
LM End	1.01	Issue Type +	Ma	Location *	LS



WS view: concrete headwall and concrete spillway on waterside.





WS view: U typed concrete headwall, CM pipe, and flap gate. Drainage was working during survey.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.08	Rating **	М	Issue No.		21
LM End	1.08	Issue Type +	Ма	Location *		LS
Category	Supplemental			GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UCI	IP LMA Respo	onsibility	37.26220)7°	37.262207 °
пеш					49 °	-120.288149°
DWR ID						

Comment Code

Inspector Comment

FS_ID:21210 DS_ID:23075 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962)

FS Date: 9/17/2013

LM Start	1.08	Rating **	М	Issue No.	21 (cont)
LM End	1.08	Issue Type +	Ma	Location *	LS



WS view: concrete spillway and channel on waterside. Dense vegetation on levee slope and spillway.



WS view: U typed concrete headwall, CM pipe, and flap gate. Spillway needs to be cleared.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.08	Rating **	М	Issue No.		21 (cont)
LM End	1.08	Issue Type +	Ма	Location *		LS
Category	Suppleme	ental	GPS Latitude/Longitude			
Calegory				Start	End	
Item	DWR UC	IP LMA Respo	nsibility	37.26220)7°	37.262207 °
пеш				-120.28814	9°	-120.288149 °
DWR ID						
Comment Code						

Inspector Comment

FS_ID:21210 DS_ID:23075 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: - needs clearing on both inlet and outlet. - needs vegetations clearing on spillway on waterside and inlet on landside. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10.0 feet below the crown, concrete headwall, flap gate, and concrete grouted cobble spillway on the waterward toe, concrete headwall on the landward toe (O&M Unit No. 607, 1962) FS Date: 9/17/2013

Photo 3 of 3: UCIP_SP_2017_21210_35707.jpg



LS view: concrete headwall and CM pipe. Inlet silt needs clearing.

WS: Water Side CR : Crown

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.21	Rating **	A/W	Issue No.		22	
LM End	1.21	Issue Type +	Ма	Location *		LS	
Category	Supplemental			GPS Latitude/Longitude			
Calegory		Start		End			
Item	DWR UCIP LMA Responsibility			37.2602	50°	37.260250°	
пеш				-120.2881	41 °	-120.288141 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:50153 DS_ID:23076 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/01/2016: Per Mike Walejko, WS outlet has been cleared. See photos. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/23/2016: LS inlet is clear. WS outlet is still buried. Cracks on crown characteristic of entire left bank and not associated with the crossing at this location. (K. Fazel - UCIP)09/17/2013:- significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe burried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe burried. Needs clearing and removal of vegetations and silts. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 1.24)].
FS Date: 9/1/2016

 LM Start
 1.21
 Rating **
 A/W
 Issue No.
 22 (cont)

 LM End
 1.21
 Issue Type +
 Ma
 Location *
 LS



WS view: U typed concrete headwall, CM pipe, and flap gate. Dirt and vegetations need to be removed and cleared.

Photo 2 of 3: UCIP_SP_2017_50153_35744.jpg



WS view: significant levee cracks along the pipealignment. Needs detailed investigation on the issue.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

Merced Streams Group

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Owens Creek Diversion	Left	1.42	05/02/2017 05/02/2017	Herman Phillips

LM Start	1.21	Rating **	A/W	Issue No.	22 (cont)		
LM End	1.21	Issue Type +	Ma	Location *		LS	
Category			GPS Latitude/Longitude				
Calegory				Start		End	
DWR UCIP LMA Responsibility			37.260250°		37.260250 °		
пеш				-120.288141 °		-120.288141 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:50153 DS_ID:23076 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 09/01/2016: Per Mike Walejko, WS outlet has been cleared. See photos. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/23/2016: LS inlet is clear. WS outlet is still buried. Cracks on crown characteristic of entire left bank and not associated with the crossing at this location. (K. Fazel - UCIP)09/17/2013:- significant levee crown and slope cracks along the pipe. Detailed investigation required.- inlet pipe burried on landside. Needs removal of silts. Needs clearing and cleaning.- half of outlet pipe burried. Needs clearing and removal of vegetations and silts. (P. Amatya - UCIP)

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete headwall, flap gate, and concrete grouted cobble spillway on the waterside (WS) toe. Concrete headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual No. 607, 1962 (HLM 1.24)].

FS Date: 9/1/2016



LS view: concrete headwall and burried CM pipe. Dirt removal and clearing needed in inlet.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En: Enforcement